

Epoxy Coating

SAFETY TIPS

DATE 07/11/2025

1. Why Epoxy Coatings Are a Safety Concern

- Epoxy systems contain chemicals that can harm the skin, eyes, and lungs.
- Repeated or prolonged exposure can lead to:
 - Sensitization (allergic reaction over time)
 - Respiratory issues (including asthma-like symptoms)
 - Nervous system effects (e.g., dizziness, confusion)

2. Routes of Exposure

- **Skin Contact:** Can cause irritation or allergic reactions
- **Eye Contact:** May lead to severe irritation or damage
- **Inhalation:** Fumes can irritate the lungs or cause breathing difficulties

Safe Work Practices

1. Training and Awareness

- Review Safety Data Sheets (SDS) for each epoxy product used
- Know the risks, PPE requirements, handling, storage, and disposal
- Be trained in emergency response procedures

2. Ventilation

- Use fans or ventilation systems to maintain fresh air circulation
- Never work with epoxy in an enclosed or unventilated area

3. Use of Personal Protective Equipment (PPE)

- Always wear:





- Chemical-resistant gloves
- Safety goggles or face shields
- Respirators when ventilation is inadequate
- Protective clothing to avoid skin exposure
- Ensure PPE is in good condition and properly fitted

4. Emergency Preparedness

- Know the location of eyewash stations and first aid kits
- Report symptoms like skin irritation, coughing, or dizziness immediately
- Seek prompt medical attention if exposed

Discussion Questions:

- Have you ever experienced irritation or other symptoms while using epoxy?
- Do you know where to find the SDS for materials you use?
- Are you confident in using your PPE correctly?

SIGN-IN AND ACKNOWLEDGMENT

Name	Signature	Date